

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

Please type a plus sign (+) inside this box → +

**COPY OF PAPERS
ORIGINALLY FILED**

PTO/SB/08A

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

COMPLETE IF KNOWN

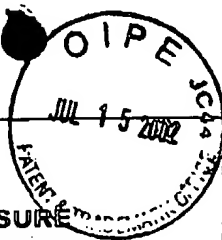
Application Number	09/907,008
Confirmation Number	8058
Filing Date	July 16, 2001
First Named Inventor	Kenneth H. Abbott
Group Art Unit	2173
Examiner Name	
Attorney Docket No.	294438008US5

Sheet 1 of 4

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
TH	AA	4,916,441		Gombrich	4/10/90	
	AB	5,032,083		Friedman	7/16/91	
	AC	5,201,034		Matsuura et al.	4/6/93	
	AD	5,208,449		Eastman et al.	5/4/93	
	AF	5,214,757		Mauney et al.	5/25/93	
	AF	5,227,614		Danielson et al.	7/13/93	
	AG	5,335,276		Thompson et al.	8/2/94	
	AH	5,416,730		Lookofsky	5/16/95	
	AI	5,470,233		Fruchterman et al.	11/28/95	
	AJ	5,493,692		Theimer et al.	2/20/96	
	AK	5,506,580		Whiting et al.	4/9/96	
	AL	5,555,376		Theimer et al.	9/10/96	
	AM	5,559,520		Barzegar et al.	9/24/96	
	AN	5,568,645		Morris et al.	10/22/96	
	AO	5,611,050		Theimer et al.	3/11/97	
	AP	5,642,303		Small et al.	6/24/97	
	AQ	5,646,629		Loomis et al.	7/8/97	
	AR	5,719,744		Jenkins et al.	2/17/98	
	AS	5,726,660		Purdy et al.	3/10/98	
	AT	5,781,913		Felsenstein et al.	7/14/98	
	AU	5,790,974		Tognazzini	8/4/98	
	AV	5,798,733		Ethridge	8/25/98	
	AW	5,812,865		Theimer et al.	9/22/98	
	AX	5,873,070		Bunte et al.	2/16/99	
	AY	5,878,274		Kono et al.	3/2/99	
	AZ	5,902,347		Backman et al.	5/11/99	
	BA	5,910,799		Carpenter et al.	6/8/99	
	BB	5,938,721		Dussell et al.	8/17/99	
	BC	5,948,041		Abo et al.	9/7/99	

RECEIVED
 JUL 17 2002
 Technology Center 2100

Please type a plus sign (+) inside this box → ☐

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)
COMPLETE IF KNOWN

Application Number	09/907,008
Confirmation Number	8058
Filing Date	July 16, 2001
First Named Inventor	Kenneth H. Abbott
Group Art Unit	2173
Examiner Name	
Attorney Docket No.	294438008US5

Sheet	2	of	4
TH	BD	5,959,611	Smailagic et al.
	BE	5,983,335	Dwyer III
	BF	5,991,687	Hale et al.
	BG	6,047,301	Bjorklund et al.
	BH	6,064,943	Clark, Jr., et al.
	BI	6,108,197	Janik
	BJ	6,294,953	Steeves

RECEIVED
 JUL 17 2002
 Technology Center 2100

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
TH	BK	PCT	WO 90/08361		The Scott Fetzer Company	7/26/90		
	BL	PCT	WO 97/03434		Virtual I/O, Inc.	1/30/97		
	BM	EPO	EP 0823 813A2		Kopin Corporation	2/11/98		
	BN	JPO	05260188		Matsushita Electric Ind. Co. Ltd.	10/8/93		
	BO	JPO	09091112		Toshiba Corp.	4/4/97		

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
TH	BP	"Affective Understanding: Modeling and Responding to User Affect," http://www.media.mit.edu/affect/AC_research/understanding.html [Accessed 10/2/98]	
	BQ	"Alps GlidePoint," http://www.alps.com/p.17.html [Accessed 10/2/98]	
	BR	Aoki, Hisashi et al., "Realtime Personal Positioning System for a Wearable Computer," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	BS	Billinghurst, Mark and Thad Starner, "New Ways to Manage Information," IEEE, pp. 57-64, January 1999.	
	BT	Bowskill, J. et al., "Wearable Location Mediated Telecommunications; A First Step Towards Contextual Communication," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19 1999	
	BU	Dey, Anind K. et al., "The Conference Assistant: Combining Context-Awareness with Wearable Computing," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	BV	Golding, Andrew and Neal Lesh, "Indoor Navigation Using a Diverse Set of Cheap, Wearable Sensors," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	

Please type a plus sign (+) inside this box → ☐

COPY OF PAPERS
ORIGINALLY FILED

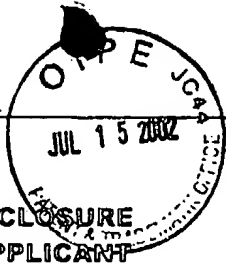
PTO/SB/08A

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)



COMPLETE IF KNOWN

Application Number	09/907,008
Confirmation Number	8058
Filing Date	July 16, 2001
First Named Inventor	Kenneth H. Abbott
Group Art Unit	2173
Examiner Name	
Attorney Docket No.	294438008US5

Sheet

3

of

4

RECEIVED

JUL 17 2002

Technology Center 2100

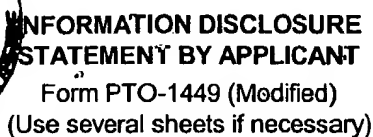
TH	BW	"GyroPoint Technology," http://www.gyration.com/html/gyropoint.html [Accessed 10/2/98]	
	BX	"Haptics," http://www.ai.mit.edu/projects/handarm-haptics/haptics.html [Accessed 10/2/98]	
	BY	Hull et al., "Towards Situated Computing," Hewlett-Packard Laboratories, HPL-97-66 (1997).	
	BZ	Kirsch, Dana, "The Sentic Mouse: A Tool for Measuring Emotional Valence," http://www.media.mit.edu/affect/AC_research/projects/sentic_mouse.html [Accessed 10/2/98]	
	CA	Kortuem, Gerd "When Cyborgs Meet: Building Communities of Cooperating Wearable Agents," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CB	Lashkari, Yezdi et al., "Collaborative Interface Agents," Proceedings of AAAI '94 Conference, Seattle, Washington, August 1994.	
	CC	Lehikoinen, Juha et al., "MEX: A Distributed Software Architecture for Wearable Computers," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CD	Leonhardi, Alexander et al., "Virtual Information Towers - A Metaphor for Intuitive, Location-Aware Information Access in a Mobile Environment, 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999	
	CE	Lunt, Teresa F. et al., "Knowledge-Based Intrusion Detection," Proceedings of the Annual Artificial Intelligence Systems in Government Conference, IEEE Comp. Soc. Press, Vol. Conf. 4, 1989, pages 102-107.	
	CF	Maes, Pattie, "Agents That Reduce Work and Information Overload," Communications of the ACM, Vol. 37, No. 7, July 1994.	
	CG	Metz, Cade, "MIT: Wearable PCs, Electronic Ink, and Smart Rooms," PC Magazine, pp. 192-193, June 1998.	
	CH	Oakes, Chris, "The Truman Show Realized?", http://www.wired.com/news/news/technology/story/15745.html [Accessed 10/21/98]	
	CI	Picard, R.W. and Healey, J., "Affective Wearables," Personal Technologies vol. 1:231-240, MIT Media Laboratory (1997).	
	CJ	"Research Areas in Affective Computing," http://www.media.mit.edu/affect/ [Accessed 10/2/98]	
	CK	"Research on Affective Pattern Recognition and Modeling," http://www.media.mit.edu/affect/AC_research/recognizing.html [Accessed 10/2/98]	

Please type a plus sign (+) inside this box → +

PTO/SB/08A

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">OIP E</div> <div style="text-align: center;">JUL 1 5 2002</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">PATENT & TRADEMARK OFFICE</div> </div>		COMPLETE IF KNOWN	
		Application Number		09/907,008	
		Confirmation Number		8053	
		Filing Date		July 16, 2001	
		First Named Inventor		Kenneth H. Abbott	
		Group Art Unit		2173	
		Examiner Name			
Sheet		4		of 4	
		Attorney Docket No.		294438008US5	
TH	CL	"Research on Sensing Human Affect," http://www.media.mit.edu/affect/AC_research/sensing.html [Accessed 10/2/98]			
	CM	Rhodes, Bradley J., "The Wearable Remembrance Agent: A System for Augmented Memory," Proceedings of the First International Symposium on Wearable Computers (ISWC '97), Cambridge, MA, October 13-14, 1997			
	CN	Rhodes, Bradley, "WIMP Interface Considered Fatal," http://rhodes.www.media.mit.edu/people/rhodes/Papers/no-wimp.html 7/23/98			
	CO	Sato, J. et al., "Autonomous Behavior Control of Virtual Actors Based on the AIR Model," Proceedings Computer Animation, June 5, 1997.			
	CP	Schneider, Jay and Jim Suruda, "Modeling Wearable Negotiation in an Opportunistic Task Oriented Domain," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19 1999			
	CQ	Smailagic, Asim et al., "MoCCA: A Mobile Communication and Computing Architecture," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999			
	CR	"SmartDesk Home Page," http://vismod.www.media.mit.edu/vismod/demos/smartdesk/ [Accessed 10/2/98]			
	CS	"Smart Rooms," http://vismod.www.media.mit.edu/vismod/demos/smartroom/ [Accessed 10/2/98]			
	CT	Tan, Hong Z. and Alex Pentland, "Tactual Displays for Wearable Computing," IEEE, Massachusetts Institute of Technology Media Laboratory, pp. 84-88, 1997.			
	CU	"The MIT Wearable Computing Web Page," http://wearables.www.media.mit.edu/projects/wearables/ [Accessed 10/2/98]			
	CV	"Wearable Computer Systems for Affective Computing," http://www.media.mit.edu/affect/AC_research/wearables.html [Accessed 10/2/98]			
↓	CW	Yang, Jie et al., "Smart Sight: A Tourist Assistant System," 3 rd International Symposium on Wearable Computers, San Francisco, California, October 18-19, 1999			
EXAMINER <i>Todese Haver</i>		DATE CONSIDERED 9/28/04			
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).					



EXPRESS MAIL NO. EV139297052US

[illegible][illegible]

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T

Q:/Clients/Tangis(29443)/8008/US5/1449.doc